

## Department of Defense

**DoD ITEP Detail Opportunity:** Seeking private sector IT Professional (Service Oriented Architecture (SOA))

**Location:** Air Force, SAF/A6A (Air Traffic Services), Net-Centric Operations Division; Washington, DC

**Clearance Requirement:** Secret

**Length:** 1-year detail

**Date of Announcement:** June 27, 2011

The Information Technology Exchange Program (ITEP) pilot provides a unique opportunity for DoD Components and private sector organizations to share best practices, and to gain a better understanding of each other's IT practices and challenges. Under this collaborative learning venture, DoD and private industry organizations will have a unique opportunity to share best practices and enhance employee/organizational capabilities through personnel details that range in length from 3 months to 1 year and encompass a broad range of IT functional areas.

This detail is for one year with the Air Force, SAF/A6A (Air Traffic Services), Net-Centric Operations Division. The Net Centric Operations Division utilizes the power and connectivity of the network to integrate data and processes, improve situational awareness, enhance decision making, and facilitate collaboration across stakeholder. The Division leads the Joint Planning and Development Office, agency partners and private sector into realizing NextGen information-sharing capabilities that enable improvements in aviation capacity, safety, efficiency and security while reducing negative environmental impacts. Additionally, it manages policy and strategies for interoperable and seamless information sharing; and coordinates investments in and development of network-enhancing capabilities.

### Basic Eligibility Requirements

Private sector employees desiring to participate in the ITEP pilot must: 1) be working in the IT field; 2) be a US citizen, subject to a background/suitability investigation; 3) be equivalent to a GS-11 or above; 3) meet or exceed successful performance levels and makes significant contributions towards achieving organizational goals; and 4) be currently employed by an organization interested in participating in the ITEP pilot. The supervisor and company approval must be obtained for ITEP detail opportunities.

### Goals and Objectives of the ITEP Participant

- Experience working with project teams to plan, develop and execute Service Oriented Architecture (SOA) for projects in the Net-enabled Test Environment (NETE)
- Gains an understanding of the business functions of the Air Force

### Responsibilities

- Liaison between the enterprise architecture team and the enterprise software development team
- Provides expertise in leveraging an application framework within a developing SOA environment
- Helps implement, operate technologies and tools to manage the technical aspects of the enterprise SOA environment architecture, including libraries, repositories, and /or registries for interface definitions, ontologies, semantics, vocabularies, metadata as well as discovery services
- Assists in defining system scope and objectives for assigned projects
- Participates in program design, coding, testing, debugging and documentation
- Participates in all phases of service/applications analysis and functionality
- Conducts quality assurance reviews
- Develops content of resource and message models, and publishing Services to Universal Description, Discovery and Integration (UDDI)
- Prepares Service abstracts, vision documents, functional and Web Service Description utilizing Web Service Description Language (WSDL)

- Develops SOA development and documentation tools and software

## **Desired Competencies and Skills**

- Knowledge in performing system analysis, development, and implementation of business processes using a variety of information technology resources
- Development of web services within SOA framework
- Experience in the development of prototypes
- Skills in defining Service Architecture, Conceptual Design, Logical Design, Physical Design and Security Design
- Understanding of operating principles of the internet, web services, database servers associated with security mechanisms
- Technical knowledge of XML, Design Standards and Design Patterns

## **Benefits**

- Provides an opportunity for DoD and private sector organizations to share best practices and enhance employee/organizational capabilities
- Affords the government the opportunity to learn about new and emerging technologies in SOA
- Provides forums for the ITEP participant to interact with various DoD Components and external organizations

## **Salary and Allowances**

The lending organization has full responsibility for payment of all salary and allowances to their employees participating in the ITEP pilot.

For more information about ITEP, <http://cio-nii.defense.gov/sites/itep/>

Interested candidates in this ITEP detail opportunity are to send an email to [ASKITEP@OSD.mil](mailto:ASKITEP@OSD.mil) providing their contact information (name, company, email address and telephone number).